Welcome

Addressing skills shortages as we move towards a highly skills-based economy of the future

LEARNING VAULT

Nicholas Robert Alderdice - CEO, Learning Vault

Based in Australia and the UK, Learning Vault develops technology solutions that actively support education providers, governments, and enterprises across the world in facilitating the acquisition, curation, and portability of verifiable skills throughout an individual's lifetime.

Through industry leading education content, digital credentials, and talent pool technology, Learning Vault has created an interoperable, tech-powered ecosystem connecting education to employment, making skills more accessible, portable, and applicable through three key product pillars - Education Vault, Credential Vault, and Talent Vault.

Sally-Ann Browner, Senior Manager at the Institude of Applied Technology

With over seven years of experience in intensive technology education I am now running the NSW Institute of Applied Technology -Digital (IAT), a collaboration between TAFE, universities, and industry to deliver future-focused skills training.

My core competencies include envisioning innovative education solutions and bringing them to life, cutting through the BS to get to the heart of a problem and inspiring other people to work hard to solve the same problem. I love linking industry and education, equipping students with relevant skills, and empowering teachers with technology.

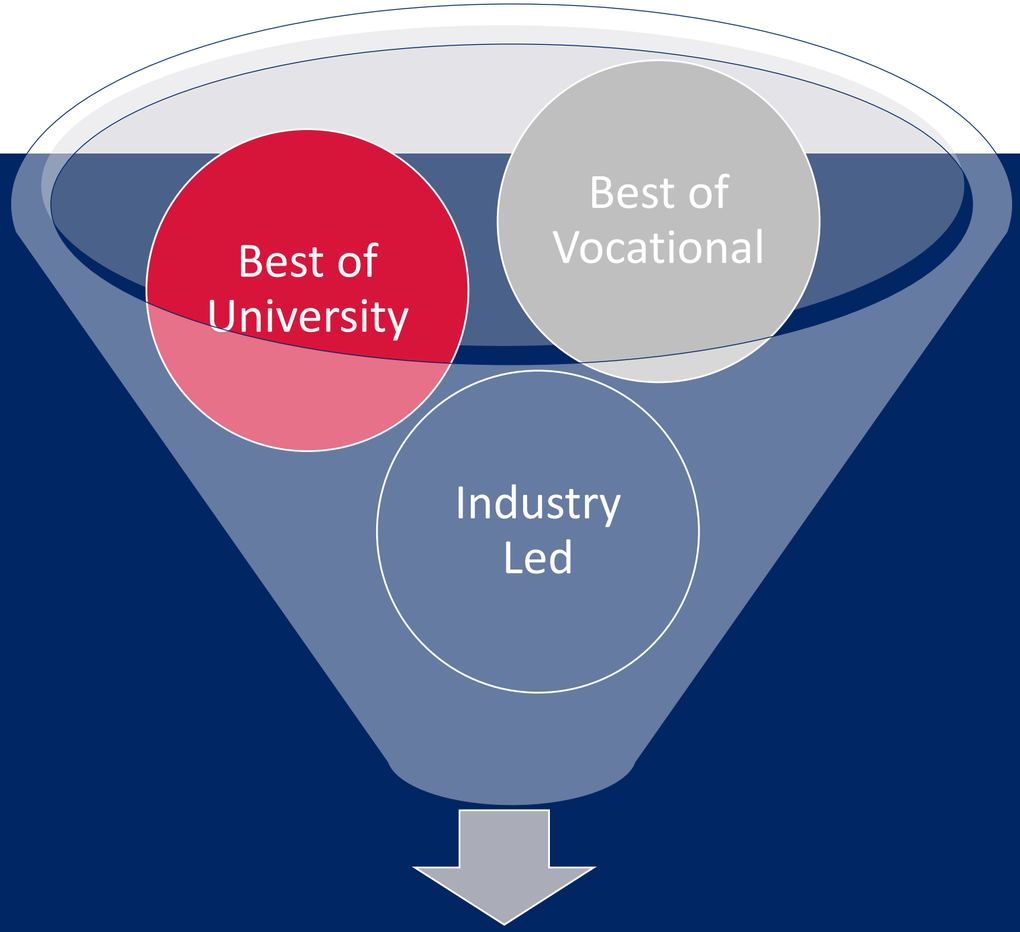
There’s a great need for more agency for learners, educators, and employers to collect, manage and verify skills as we work towards a skills-based economy.

Solution 1 - Micro-credential strategies

Vision for IAT-D

Our why
The IAT-D is a new tertiary education offering from the NSW Government. The IAT partners with leading institutions and industry to fully integrate theoretical and practical learning.

Our vision
The IAT-D partners with industry to bring the latest thinking and trends to lifelong learning. Its blended approach empowers students through flexible pathways and credible outcomes, strengthening capability and furthering careers



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IAT Digital Partners & Collaboration Model

Foundation Partners

NSW GOVERNMENT TAFE NSW

Microsoft

MACQUARIE University

UTS

Industry Partners

SAP

sas

salesforce

Adobe

IBM

NSW GOVERNMENT Customer Service

cisco

Prodigy LEARNING

aruba a Hewlett Packard Enterprise company

ORACLE

AKKODIS

In Discussions & Professional associations

AISA Australian Information Security Association

iapa

aiia australian information industry association

acs AUSTRALIAN COMPUTER SOCIETY

CSIRO DATA 61

Infosys

Co-innovate

Future Focused Curriculum
Learning Research
Cutting edge delivery

Co-design

Course Co-development
TAFE NSW Microskills
Work Integrated Learning

Co-deliver

Master Classes
Academy Programs
Intern and Traineeships

Co-locate

Mixed Reality Labs
Certification Centres
Industry Learning Space

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NSW GOVERNMENT

Microskills

Are a taster and are available in each of our discipline areas.

No assessment requirement.

They are short - roughly 2 - 5 hours online to introduce students to a new skill.

Certificate of completion.

Microcredentials

In-depth courses designed to upskill students in a specific discipline.

Requires successful completion of an assessment.

Delivered online or face to face with an educator, over an 8-week period with one guest speaker.

Microcredential Badge and Certificate on completion

Stackability to TAFE NSW and University Qualifications

CIAL

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Digital

Foundation Level

Intermediate Level

Data

- Understanding Data Analytics
- Data Visualisation Foundations
- Data Engineering Foundations
- Python for Data Analytics

Cyber Security

- Data Security and Information Privacy
- Security Management Leadership
- Cyber Security Threat and Risk Management
- Basic for Identity Management
- Cyber Breach Simulation & Cyber Crisis Management
- Cyber Security Architecture
- Application of AI for Cyber Security
- Cyber Governance & Cyber Planning
- Cyber Security: Legal Obligations & Compliance
- Penetration Testing, Ethical Hacking & Offensive Security
- System and Network Attacks Simulation

Cloud Computing

- Cloud Computing Foundations
- Advanced Cloud Computing
- Cloud Security

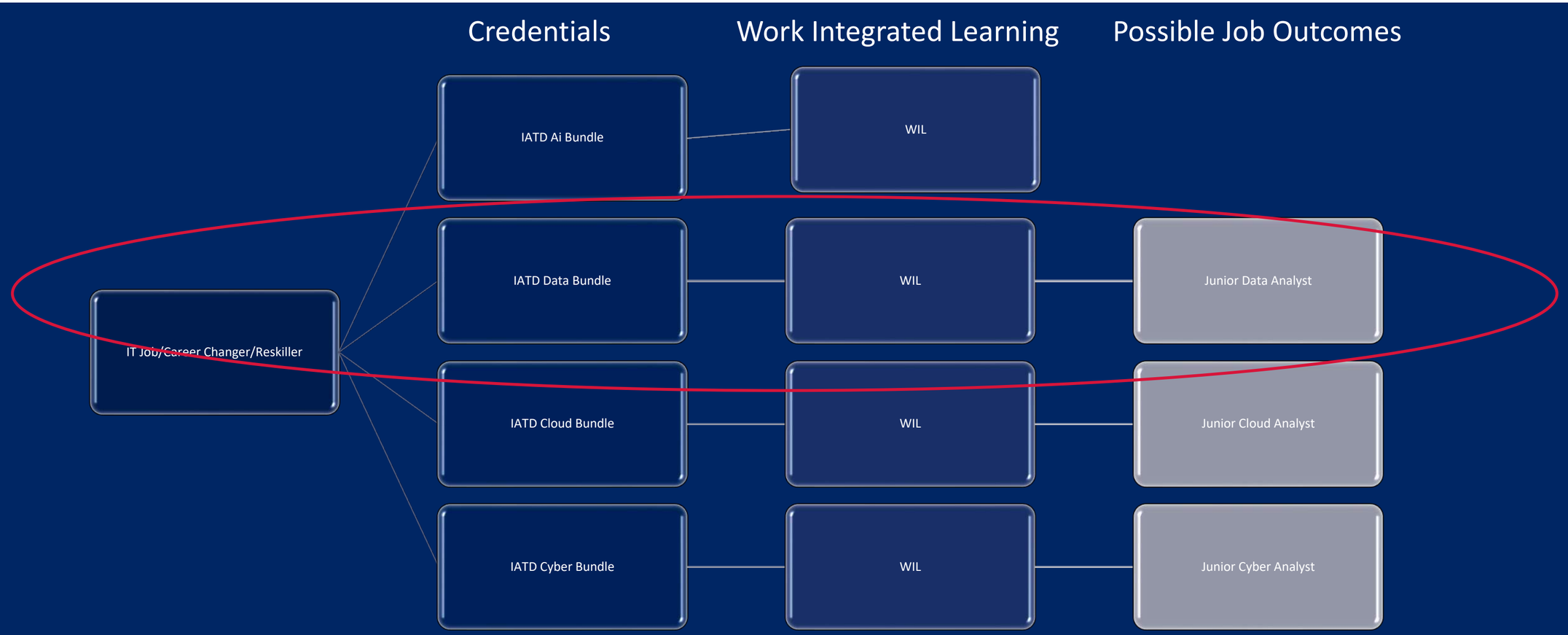
Artificial Intelligence

- Machine Learning Algorithms
- Machine Learning Foundations
- Deep Learning Foundations
- Introduction To Natural Language Processing
- Applied Machine Learning
- Impact AI on Society

Software

- Software Programming and Data Modelling
- Software Quality Assurance and Testing (TBC)

Potential Pathways into Roles



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Data Bundle Option

On completion of the Data bundle students can apply for the below RPL into respective subject with IATD partners

TAFE NSW HE
ITDAT201A Advanced Data Analysis and ITDAT203A Introduction to Data Analysis

MQU
COMP2200 – Data Science + 10 cp unspecified credit at 1000 Level

UTS
31250 Introduction to Data analytics and 32146 Data visualisation and visual analytics

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Solution 2 – Digital Credentials

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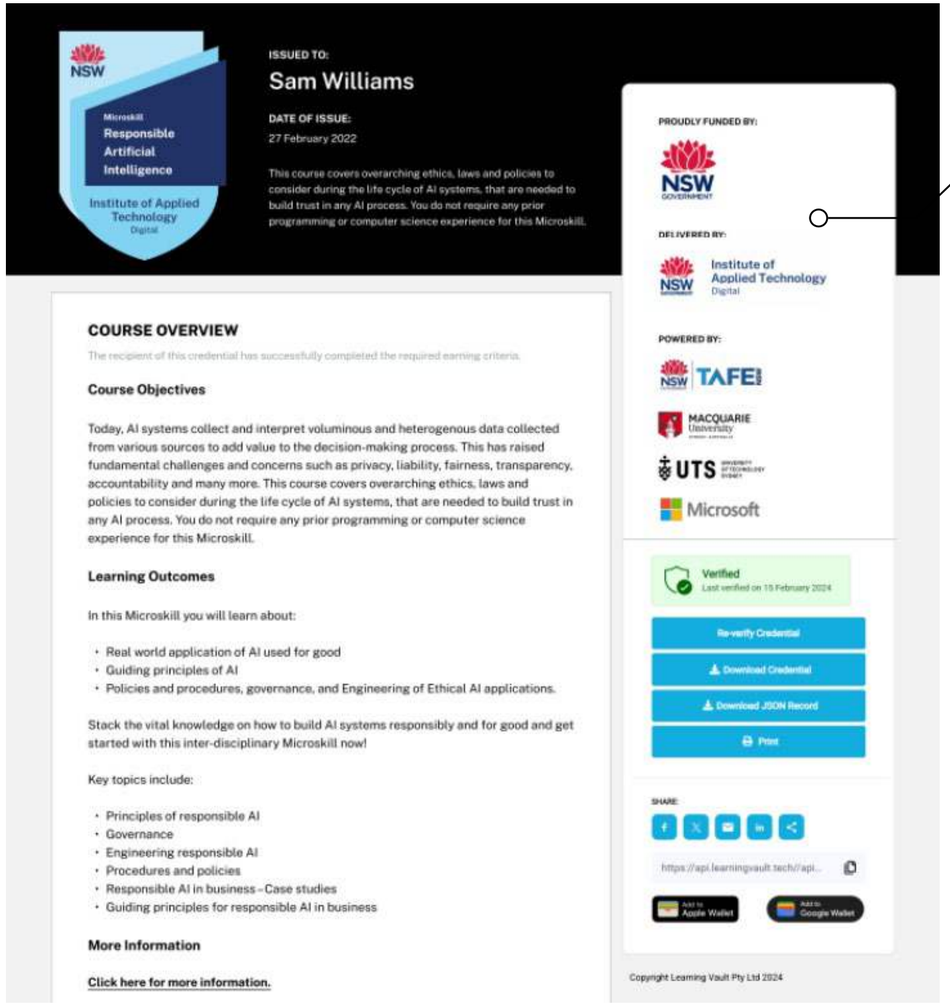
Digital Badge = Icon visualising the data

Digital Credential = Badge and Meta data

- CREDENTIAL NAME
- ISSUER
- COURSE DESCRIPTION
- COURSE CRITERIA
- STANDARDS
- SCORE
- EVIDENCE
- ENDORSEMENTS
- ISSUANCE & EXPIRY
- OPEN RICH SKILL DESCRIPTORS
- TAGS

Solution 2 - Digital Credentials – Example TAFE NSW



Endorsers

Verifiable in real-time

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Open Rich Skills Descriptors

- Mapping skills against global library of Skill descriptors

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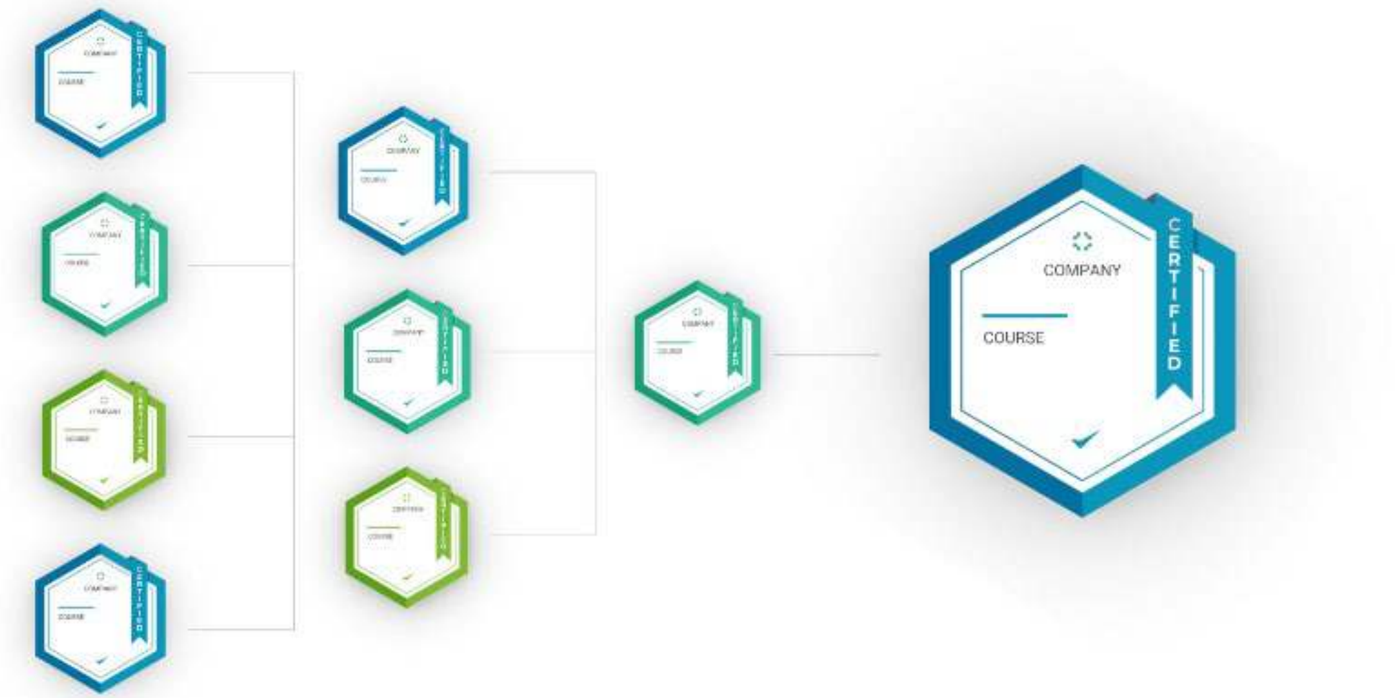
Pathways

- Mapping Educational & Career journeys against a certain goal



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Digital Skills Wallet –
Collect, Manage, Share Digital Credentials

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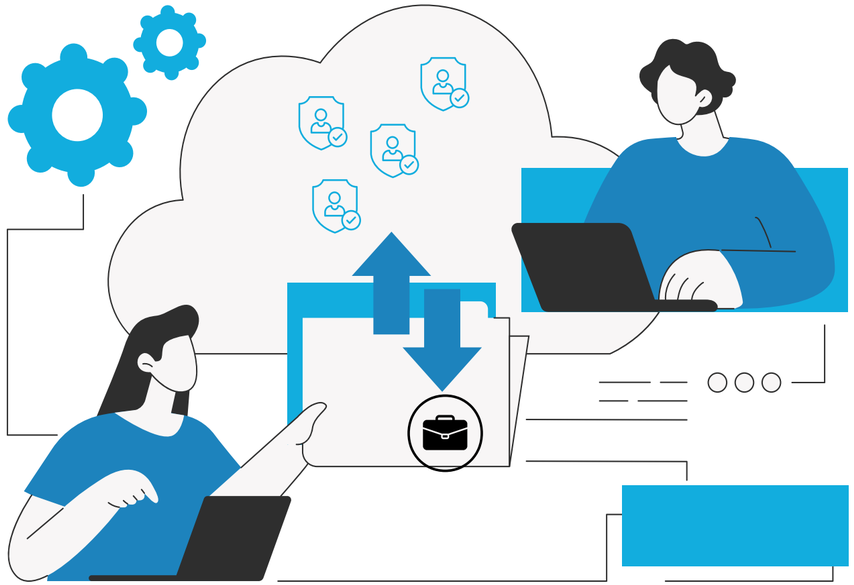
Plugging credentials into recruitment environments; sharing them with employers



Thank you for joining.

To find out more about the impacts of digital credentials or to book a FREE demo, scan here.

For more information on the Institute of Applied Technology - Digital, scan here.

https://www.learningvault.com/

https://www.tafensw.edu.au/iat